

ANNUAL OPERATIONS AND PROGRESS REPORT

From Month/Year January 1986  
to Month/Year December 1986

(To be submitted for each mining operation at the end of each calendar year to the Division at this address:)

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
(801) 538-5340

OPERATOR: Umetco Minerals Corporation MINE NAME: Deremo - Peterson  
ADDRESS: P. O. Box 307, La Sal, Utah 84530  
PERMIT NUMBER AND DATE OF PERMIT: ACT/037/025 12/21/78  
REPRESENTATIVE: J. L. Hasty  
SECTION(S): 2, 10, 11,  
14 & 15 TOWNSHIP(S): 33 S RANGE(S): 26E  
MINERAL(S) MINED: Uranium & vanadium  
STATE AND/OR FEDERAL MINERAL LEASE NUMBERS: UML # 23842  
SPECIAL USE PERMITS AND/OR RIGHTS-OF-WAY: None

Section 40-8-15 and Rule M-8 of the Utah Mined Land Reclamation Act, requires each operator to include with this report an up-dated map and plan prepared in accordance with Rule M-3, as outlined in the requirements for annual report maps in Appendix I, providing a detailed status of all mining and reclamation activities which have occurred during the past year.

The report should include:

MINING:

(a) Tabulation of acreage disturbed (by pits, roads, facilities, etc.) during the report period with illustration on a current map.



Disturbance

Pit  
Roads  
Facilities  
Waste Dumps  
Other

Acreage

Not applicable

None  
None  
None  
None

(b) Tabulation of acreage affected to date (by years).

Date by Year

1975  
1976  
1977  
1978  
1979  
1980  
1981  
1982  
1983  
1984

Acreage (Total)

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
7  
7  
7  
7  
7  
6

Date by Year

1985  
1986

Acreage Total

6  
6

(c) Tabulation of all topsoil (new) stockpile volumes (see chart below) and date of stockpiling.

SOIL TABULATION CHART

Area Affected (in mining sequence)  
(If more space is needed, please attach.)

Area  
1 2 3 etc.

Acreage of Area

Depth of Topsoil Removal (inches)

Depth of Topsoil Replacement (inches)\*

Estimate of Topsoil Volume Salvaged (yd<sup>3</sup> or ac ft)

Volume Actually Salvaged (yd<sup>3</sup> or ac ft)

Volume Required for Reclamation (yd<sup>3</sup> or ac ft)

Surplus or Deficit Volume (yd<sup>3</sup> or ac ft)

Storage Status (short- or long-term)



Soil Tabulation Chart (continued)

Area Affected (in mining sequence)	Area			
	1	2	3	etc.
Storage Location	None			
Area Where Soil Has Been Used (if not stored)				
Running Total (all stockpiles) (yd <sup>3</sup> or ac ft)				
Short-term				
Long-term				

\*Of previously stripped area recently reclaimed.

(d) Tabulation of all (newly removed) out-of-pit spoil volumes, date of placement and illustration on a map.

<u>Area</u>	<u>Date</u>	<u>Acreage</u>
None		

(e) Tabulation of quantity of commodity mined.

	<u>Commodity</u>	<u>Tonnage</u>
(Mined)	None	
(Milled)	None	

(f) Description of any new construction during the report period with illustration on a map, including, but not limited to:

1. Buildings and support facilities.  
None


2. Roads.  
None




3. Diversion ditches, collector ditches, interceptor ditches, etc.  
None

4. Culverts.  
None

5. Sediment ponds, containment ponds.  
None

6. Monitoring sites (vegetative, air quality, surface subsidence,  
surface water or ground water, etc.).  
None

7. Topsoil stockpiles.  
None

(g) Description of any environmental problem areas with a proposed plan  
for mitigation and illustration on a map, including, but not limited to:

1. Pit stability problems.  
None

2. Subsidence.  
None



3. Accidental water discharge, dam failure, etc.  
None

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4. Slumping, sliding or erosion.  
None

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5. Revegetation problem areas.  
None

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6. Existence and location of unsuitable (toxic) overburden.  
None

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RECLAMATION:

(a) Tabulation of the acreage reclaimed during the report period with illustration on a map, distinguishing between:

1. Backfilled, graded and contoured areas.

Area

Acreage

None

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2. Topsoiled areas.

Area

Acreage

None

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3. Seeded areas.

	<u>Area</u>	<u>Acreage</u>
None		

4. Reseeded areas (areas previously seeded, then seeded again).

	<u>Area</u>	<u>Acreage</u>
None		

(b) Tabulation of total acreage reclaimed (seeded with permanent seed mix) to date by years with illustration on an updated map:

<u>Year</u>	<u>Acreage</u>		
1975		1985	0
1976		1986	0
1977			
1978			
1979			
1980			
1981			
1982			
1983	0		
1984	1.1		

(c) Description of the reclamation procedures used during the report period, including:

1. Average depth of topsoil applied.

None	

2. Type of seed (species) used for seeding during the report period.

None	



3. Date of seeding during the report period.

Spring None

Fall

4. Seeding procedures used.

(Hand broadcast or drilled or any other).

None

5. Rate of seed application.

Pounds Per Acre of Pure Live Seed (PLS) (if varied, please explain)

None

6. Type and rate of fertilizer applied.

None

7. Type and rate of mulch applied.

None

8. Rate of irrigation water applied, if any. Please describe any type of sprinkling, or water applied (water truck, etc.).

None

9. Revegetation test plot information.

(Cover, density, productivity, etc.)

None



10. Soil analysis results.

None

(d) Description of results of previous revegetation efforts, including:  
(This should be done as applicable.)

1. Types (species) of seed that have germinated and are growing.

None

2. Types (species) of seed that are not growing successfully.

None

3. Areas experiencing problems with weeds and weed types.

None

4. Significant erosional problems.

None

5. Areas of unsuitable overburden on the surface as related to  
revegetation failure.

None

6. Procedures used or proposed to correct these problems.

None



7. Acreage and dates of release (upon inspection by the State) of revegetated areas.

<u>Area</u>	<u>Date</u>	<u>Acreage</u>
None		

8. Results of soil analysis.  
None


(e) Summarization of the reclamation costs incurred during the report period, including itemized costs for each operation (i.e., grading, topsoil replacement, seeding, etc.) and for each type of disturbance (i.e., spoil, haul roads, facilities removal, etc.) on a per acre basis.

	<u>Acres</u>	<u>Cost/Acre</u>
1. Grading		
2. Backfilling		
3. Contouring		
4. Topsoil Replacement		
5. Seeding		
A. Seedbed Preparation		
B. Mulch		
C. Fertilizer		
D. Seed		
6. Other		

BOND INFORMATION:

- A. An updated bond estimate should be included, if required in the Division's approval of the Mining and Reclamation Plan (MRP) or if changes to the MRP have occurred, including a detailed itemization of actual/estimated reclamation costs as outlined in the RECLAMATION section above. The date of the release of revegetated areas from further responsibility for a partial bond release, if applicable, should also be included.

	<u>Amount</u>	<u>Type</u>	<u>Date Posted</u>
Present Bond	<u>\$33,332.00</u>	<u>Surety Contract</u>	<u>January 25, 1985</u>



Increased disturbance, if any:

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Increased Bond Amount (attached reclamation estimate).

B. Bond release.

<u>Acres</u>	<u>Bond Amount Released</u>	<u>Date</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

ADDITIONAL INFORMATION:

Supply any additional information as requested by the Division related to:

- (a) Permit stipulations (status).
- (b) Other special conditions (status).

The mine was on standby status during 1986. No erosional nor environmental problems occurred during 1986.



APPENDIX I

ANNUAL REPORT MAPS

1. Maps must be clear and legible contour maps or recent aerial photos. The scale should be 1 inch = 500 feet to adequately show topographic features.
2. Map sheets should be of a reasonable size, not to exceed 48 inches on a side.
3. Maps must have a title block with:
  - A. Map title.
  - B. Name and address of permittee.
  - C. Permit and amendment numbers.
  - D. Annual report period.
  - E. Scale, north arrow, contour interval, date of photography, etc.
4. All maps must show:
  - A. Legal subdivisions.
  - B. Permit area boundary clearly shown and labelled.
  - C. Amendment areas clearly shown and labelled.
  - D. Contour features.
5. The following features should all be clearly identified:
  - A. Topsoil stockpiles (numbered and with volumes).
  - B. Settling ponds and sediment control structures.
  - C. Haul roads.
  - D. Pits identified by location, name, number, etc.
  - E. Ramps (numbered).
  - F. Out-of-pit spoil dumps.
  - G. All waste disposal sites including, but not limited to:
    1. Landfill sites.
    2. Carbonaceous waste dumps.
  - H. Diversion ditches.
  - I. Monitoring sites.
6. All areas to be affected by mining and reclamation in the coming year should be outlined and labelled.



# Umetco Minerals Corporation



P.O. BOX 1029 • GRAND JUNCTION, COLORADO 81502  
☎ (303) 245-3700

March 25, 1987

RECEIVED  
MAR 27 1987

DIVISION OF  
OIL, GAS & MINING

Mr. Lowell P. Braxton  
Administrator  
Minerals Resource Development and Reclamation Program  
State of Utah  
355 W. North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

Dear Mr. Braxton:

Enclosed is the annual report for 1986 for the five permitted mining areas which Umetco Minerals Corporation controls in San Juan County, Utah.

I did not enclose maps of the mining areas for 1986, because all mines were on a standby basis for the whole year. No erosional problems occurred during the year. The Hecla and the Wilson-Silverbell mines are being kept dewatered. The 12,777 tons of ore which were stockpiled at the Hecla mine were shipped to the White Mesa mill at Blanding, Utah. The stockpile area was not reclaimed, because we hope to use it in the near future. We are working with the Department of Health on solving the mine discharge water problem at the Wilson-Silverbell mine. The plan is to construct a five acre evaporation pond. A copy of our submittals will be forwarded to you.

Please contact me if you or your staff have any questions.

Yours truly,

*Niels B. Haubold*  
Niels B. Haubold  
Manager of Mines

NBH/jac

Encl.

Frank Files

m/037/025